

ABSTRACT OF THE DISCLOSURE

“Apparatus and Method for Existing Network Configuration”

[0095] An automatic router for new demands on an existing network topology with
5 given network capacities which first transforms the existing network topology into a
Capacity Network, to which mathematical techniques and heuristics techniques can be
applied. Subsets of the given unrouted new demands using a min-cost flow technique are
solved. Optionally, an overlay network may be built to accommodate any new demands
which cannot be placed on the existing network.

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